

7-3-2002

- General information
 - o Symptoms of poisoning may occur after several hours; therefore medical observation for at least 48 hours after the accident.

4 First aid measures

- Information concerning to particular hazards to man and environment
- Hazard description: An Harmful
- R 36/38 Irritating to eyes and skin.
- R 22 Harmful if swallowed.

3 Hazard identification

- C; R 35
 - o Acute, by weight, of acidic acid cent, by weight, of acidic acid
- 64-19-7 acidic acid, of a concentration of more than 10 per cent, by weight, of acidic acid
- Xn; R 22-36/38
 - o Mixtures of substances listed below with nonhazardous additions.
- Components:
 - o 50-01-1 quinidinium chloride
 - o 25-50 %

2 Composition/Data on components:

- For full information outside the United States dial (703)-527-3887
 - o Chemtrec 1-800-424-9300
- Information in case of emergency:
 - o Web Address: www.promega.com/uk/
 - o Email Address: uktechsupportuk.promega.com
 - o Fax: 011 44 23 8076 0225
 - o Tel: 011 44 23 8076 0225
 - o UNITED KINGDOM
 - o Southampson SO16 7NS
 - o Chilworth Research Centre
 - o Delta House, Enterprise Road
 - o Promega UK
 - o UNITED KINGDOM
 - o Southampson SO16 7NS
 - o Chilworth Research Centre
 - o Delta House, Enterprise Road
 - o Promega UK

• Further information obtainable from:

1-800-356-9526

1-608-274-4330

U.S.A.

Madison, WI 53711

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1 Identification of substance:

Printting date 26.07.2000

Reviewed on 12.07.2000

Accrediting to 91/155 EC

Reviewed on 12.07.2000

Material Safety Data Sheet

XP-002192459

CN

- **Personal protective equipment**
keep away from foodstuffs, beverages and feed.
- **General protective and hygienic measures**
The lists valid during the making were used as basis.
- **Additional information**
Long-term value: 25 mg/m³, 10 ppm
OES: short-term value: 37 mg/m³, 15 ppm
Weight, of acidic acid
64-19-7 acidic acid, of a concentrate of more than 10 per cent, by impurities with limits that require monitoring at the workplace:

- **Additional information about design of technical facilities:**
No further data; see item 7.

8 Exposure controls and personal protection gear

- **Classes according to regulation on flammable liquids:** Void
- **Storage class**
Keep receptacle tightly sealed.
- **Further information about storage facility:** Not required.
- **Information about storage in one common storage facility:** Not required.
- **Storage to be met by storerooms and receptacles:**
No special requirements.
- **Storage**
No special measures required.
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
- **Handling**
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
No special measures required.
- **Regulations to be met by receptacles:**
No special requirements.
- **Classification according to regulation on dangerous substances:** Void

7 Handling and storage

- **Measures for cleaning/contamination:**
Absorb with liquid-bindings material (sand, diatomite, acid binders, universal binders, sawdust).
Do not allow to enter sewers/surface or ground water.
- **Measures for environmental protection:**
Prevent leakage into sewage system, workpits and cellars.
- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Not required.
- **Measures for safe handling:**
Ensure adequate ventilation.
- **Storage**
Dispose contaminated material as waste according to item 13.
- **Storage class**
Keep receptacle tightly sealed.
- **Storage**
No special measures required.

6 Accidental release measures

- **Protective equipment:** No special measures required.
- **Soluble extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5 Fighting measures

- **After skin contact**
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing**
After swallowing call for a doctor immediately.
- **Protective equipment:** No special measures required.

In case of unconsciousness place patient stability in side position for respiration.

9 Physical and chemical properties:		
Value/Range		
• Form: Fluid	• Colour: Colourless	• Odour: Characteristic
100 ° C	undetermined	Not applicable
485.0 ° C		Product is not self-igniting.
4.0 Vol %	17.0 Vol %	• Explosive limits:
16.0 hPa	at 20 ° C	• Vapour pressure:
0.875 g/cm³	at 20 ° C	• Density:
Not miscible or difficult to mix		• Solubility in / Miscibility with
12.7 %	12.7 %	• Solvent content:
40.8 %		• Organic solvents:
Water:		• Water:
46.5 %		• Solids content:
10 Stability and reactivity		
11 Toxicological information		
• Acute toxicity:	• Primary irritant effect:	• on the skin: Irritant to skin and mucous membranes.
• on the eyes: Irritating effect.	• Sensitization: No sensitizing effects known.	• Additional toxicological information:
12 Disposal considerations		
13 Emergency procedures		
Wash hands before breaks and at the end of work.	• Avoid contact with the eyes and skin.	• In case of brief exposure or low pollution use self-contained respiratory protective device.
Immediately remove all soiled and contaminated clotting	• In case of intensive or longer exposure use self-contained respiratory protective device.	• Eye protection: Tightly sealed goggles.
Wash hands before breaks and at the end of work.	• Protective gloves.	• Protective clothing: Protective clothing.
Immediately remove all soiled and contaminated clotting	• Avoid contact with the eyes and skin.	• Protective equipment: Respiratory filter device.
Wash hands before breaks and at the end of work.	• Avoid contact with the eyes and skin.	• Eye protection: Tightly sealed goggles.

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

- General notes: Water hazard class 1 (German Regulation) (Self-assessment): Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Product: • RECOMMENDATION Must not be disposed together with household garbage. Do not allow product to disposesal must be made according to official regulations.
- Uncleaned packaging: • RECOMMENDATION Must not be disposed together with household garbage. Do not allow product to disposesal must be made according to official regulations.
- Contact Promega Safety Department for additional transport information.

14 Transport information

- Land transport ADR/ RID (cross-border)
 - ADR/RID class: -
 - Maritime pollutant: NO
 - IMDG class: -
 - Maritime transport IMDG: -
 - Air transport ICAO-TI and IATA-DGR: -
 - ICAO/IATA class: -

15 Regulations

- Labeling according to EU guidelines:
 - Hazard-determining components of labeling: quinidinium chloride
 - Code letter and hazard designation of product: H314 Harmful
 - Ordinance on Hazardous Materials
 - The product has been classified and marked in accordance with EU Directives /
- Safety phrases:
 - 23 Do not breathe gas/fumes/vapour/spray.
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - 36/37 Wear suitable protective clothing and gloves.
 - 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Risk phrases:
 - 22 Harmful if swallowed.
 - 36/38 Irritating to eyes and skin.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

16 Other Information:

- National regulations
- Classification according to VBF: Void
- Technical instructions (ax):
- Class share in %
- Water 40.8
- II 12.7
- Water hazard class 1 (self-assessment): slightly hazardous for water.

